

THE STATUS OF MINERAL AND ENERGY RESOURCE EVALUATIONS OF WILDERNESS AND ROADLESS AREAS, UTAH

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## **EXPLANATION**

This map and list of references pertinent to resource evaluations of wilderness and roadless areas in Utah was compiled in response to Congressional request for these data. Under provisions of the Wilderness Act (Public Law 88-577) and related acts, the U.S. Geological Survey and the U.S Bureau of Mines have conducted mineral surveys in those areas in Utah defined as wilderness by the Congress and the U.S. Department of Agriculture, Forest Service (1979). These areas are outlined on the map, and the ones for which specific wilderness evaluation reports have been prepared at the request of the Forest Service are indicated. Information shown on the location and types of known critical or strategic metallic, nonmetallic, and energy resource materials in and adjacent to these areas was derived from the computer files of the U.S. Geological Survey's Mineral Resources Data System (MRDS), formerly known as the Computerized Resources Information System (CRIB), "Mineral and Water Resources of Utah" (1969), and Utah Geological and Mineral Survey (1980). The major mining districts and energy-producing fields are also shown. Further information on the geothermal and organic fuel resources may be obtained from the computer files of the Utah Geological and Mineral Survey (UGMS), Salt Lake City, Utah. The resources of construction and industrial materials, which are very abundant nearly everywhere in Utah, are not plotted; however, resource data for these materials are also available from the UGMS.

Areas being considered for Wilderness status in Congressional hearings (S. 2155 and H.R. 4516)

Status of U.S. Geological Survey-U.S. Bureau

of Mines resource evaluations

Completed report

Areas not scheduled for evaluation

Preliminary evaluation of major metallic and nonmetallic commodities and energy materials in areas

Classification of resource areas

A Numerous occurrences and geologically favorable for the indicated commodities - none shown

B-1 Geologically favorable for discovery of extension of known mineral deposits from adjacent mining district or field

B-2 Few or no occurrences, but considered geologically favorable for additional comparable deposits of the indicated commodity

C No occurrences and geologically unfavorable for all commodities

D Insufficient information to evaluate - none shown

Locations and types of known occurrences of

36 Forest Service area identification numbers

u Ag Deposit or occurrence (of gold and silver)
in wilderness areas

Known geothermal resource area (KGRA)
 Major mining district, major commodity in

(Ag Pb Zn) parenthesis

Known and accessible coal field

...... Known oil field

----- Known oil field
----- Known gas field

Known gas field

Known area underlain by oil shale

He - helium

Critical or strategic metal and nonmetal

Ag - silver Mo - molybdenum
Au - gold P - phosphorus
Ba - barium Pb - lead
Be - beryllium Sb - antimony
Cu - copper U - uranium
Fe - iron V - vanadium

Zn - zinc

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This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.